



MINERVA Control Software

Maurice Wilson^{1,2}, Jason Eastman², John Johnson²

¹National Science Foundation Graduate Student Research Fellowship Program

²Harvard-Smithsonian Center for Astrophysics, Cambridge, MA; maurice.wilson@cfa.harvard.edu



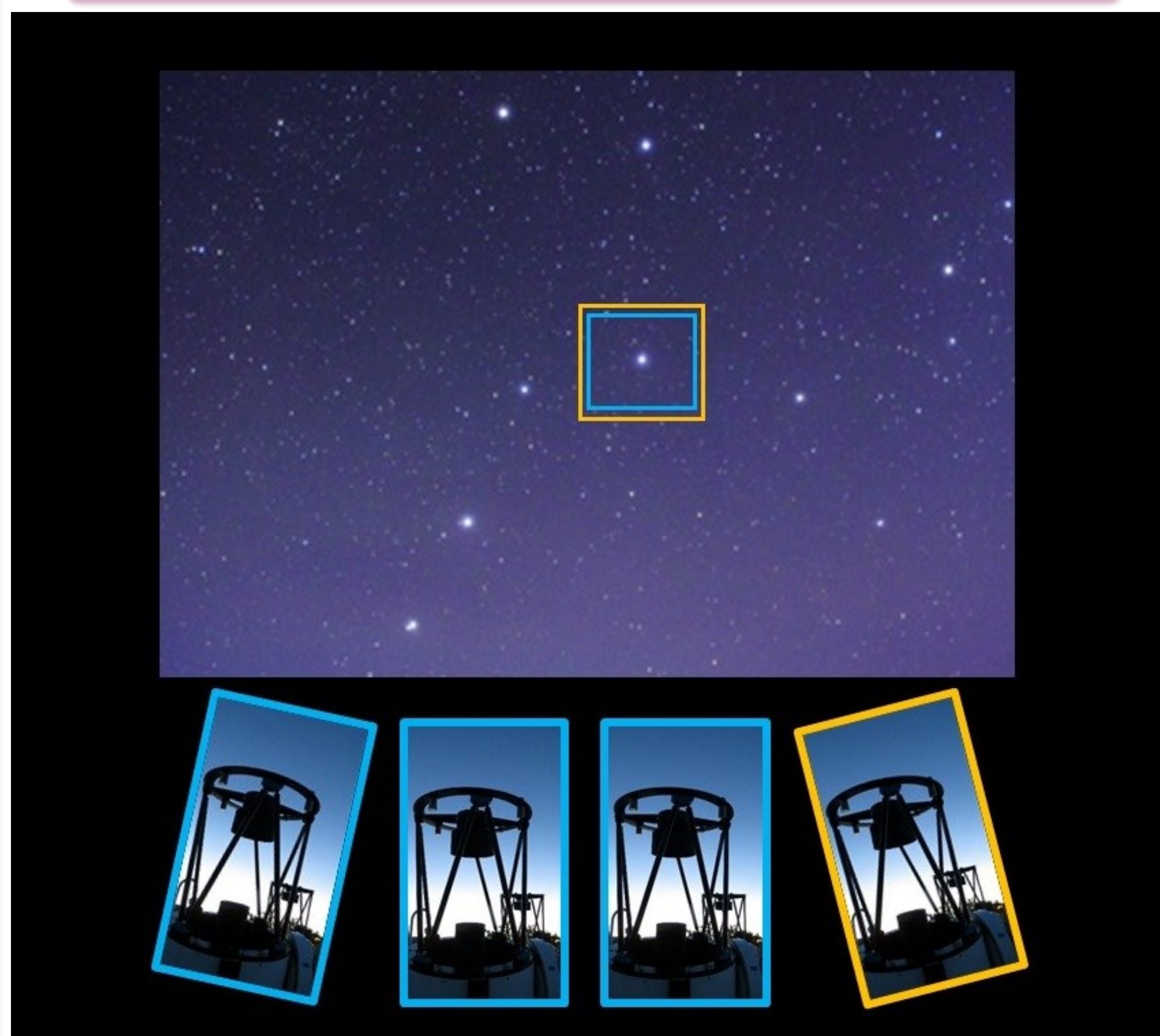
MINERVA Specs

- Array of four 0.7m diameter telescopes
- Location: Mt. Hopkins in Arizona
- Mission: Detect, confirm, and characterize nearby Earth-like exoplanets

MINERVA Objectives

- Doppler Shift precision < 1 m/s
- Photometric precision < 1 mmag
- Optimize control software of robotic telescopes for RV and photometric observations

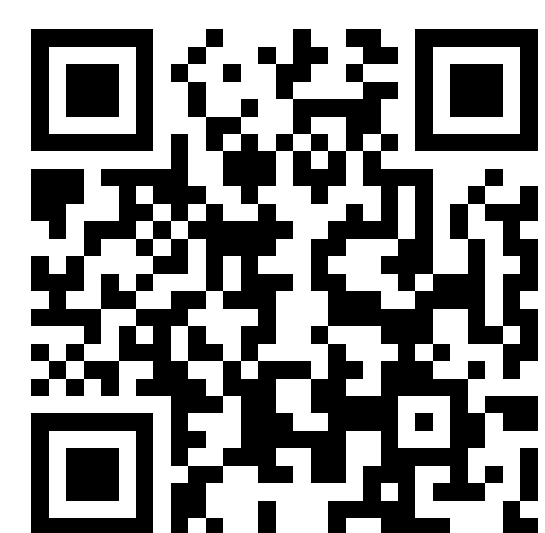
Multi-telescope Example: RV and Photometry for Stellar Jitter



Maurice Wilson



Want More Details?

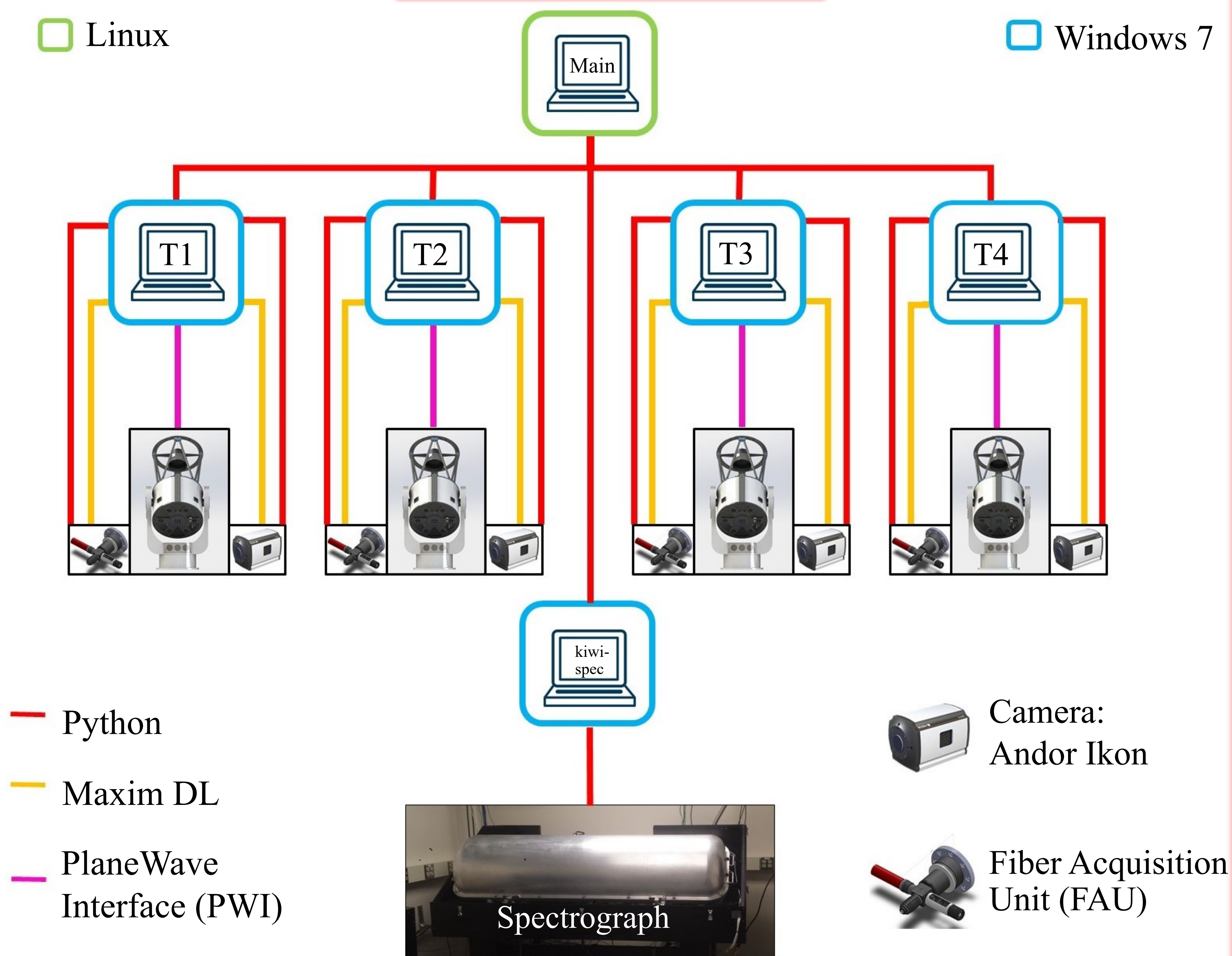


<https://mwilson1.github.io/research/projects.html>

Software Architecture

Linux

Windows 7



MINERVA control software effortlessly alters robotic telescope operations

